



A34605 PCT-USA 072944.0143

PATENT

Please replace the paragraph beginning at page 18, line 1 and ending at page 18, line 5

with the following paragraph:

As can be seen in table 1, the quality of surface-treated steel sheet of PTFE-based wax is more excellent than that of ethylene-based wax. Particularly, as can be seen from the coating exfoliation results, it is preferable to use a PTFE-based wax with particle size of 0.1 – 3.0 μm and the amount of 2 – 15 phr in order to manufacture steel sheet for fuel tank with improved press processibility.

RECEIVED

NOV 13 2002

IN THE CLAIMS

TC 1700

Please **amend** claim 1 with the following rewritten claim:

1. (AMENDED) A resin solution for preparing resin-coated steel sheet for a fuel tank of an automobile comprising:

a main resin solution selected from group consisting of epoxy resin, urethane resin and phenoxy resin;

melamine resin;

colloidal silica;

PTFE-based wax; and

at least one plate-type metallic powder selected from Al, Zn, Mn, Co, Ni, Sn and SnO.

Please amend claim 2 with the following rewritten claim:

2. (AMENDED) The resin solution of claim 1, wherein said main resin solution is water-soluble phenoxy resin that is water soluble and has a number average molecular weight of 25,000 to 50,000;

 said melamine resin is added in the amount of 2 to 15 phr on the basis of said main solution;

 said colloidal silica is added in the amount of 10 to 20 phr on the basis of said main solution;

 said PTFE-based wax is added in the amount of 2 to 10 phr on the basis of said main solution; and

 said metallic powder is added in the amount of 5 to 70 phr on the basis of said main solution.

Please amend claim 3 with the following rewritten claim:

3. (AMENDED) The resin solution of claim 2, wherein said PTFE-based wax has a particle size of 0.1 – 3 μm .

Please amend claim 5 with the following rewritten claim:

5. (AMENDED) The method of fabricating resin-coated steel sheet for a fuel tank of an automobile comprising the steps of:

 coating a resin solution comprising a main resin solution of phenoxy resin having a number average molecular weight of 25,000 to 50,000; 2 to 15 phr of melamine resin on the basis of said main solution; 10 to 20 phr of colloidal silica on the basis of said main solution; 2 to 10 phr of PTFE-based wax on the basis of said

B1

main solution; and 5 to 70 phr of at least one plate-type metallic powder selected

from Al, Zn, Mn, Sn, and SnO; and

baking drying said resin-coated steel sheet at 140-250°C.

AM
5/10 B1
10/10

Please amend claim 7 with the following rewritten claim:

(AMENDED) The method of fabricating resin-coated steel sheet of claim 6 wherein the particle size of the PTFE-based wax of said resin solution is 0.1 to 3 μ m.

AM
5/10 B1
10/10

Please amend claim 9 with the following rewritten claim:

9. (AMENDED) A resin-coated steel sheet for a fuel tank of an automobile comprising a main resin solution of water-soluble phenoxy resin having a number average molecular weight of 25,000 to 50,000;
2 to 15 phr of melanine resin on the basis of said main solution;
10 to 20 phr of colloidal silica on the basis of said main solution;
2 to 10 phr of PTFE-based wax on the basis of said main solution; and
5 to 70 phr of at least one metallic powder selected from Al, Zn, Mn, Co, Ni, Sn, and SnO on the basis of said main solution and with 0.5 – 5 μ m of particle size, said resin solution coated in the thickness of 1 - 10 μ m based on dried coating thickness.